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5 Jul 73

MOBILE Sources Pollution Control

ENVIRONMENTAL PROTECTION AGENCY

Office of Air and Water Programs
401 M Street, S.W., Washington, D.C. 20460

JUL 5 1973

Dr. A. A. Fomin
Director, Engine Toxicity Laboratory
Ministry of Construction of Agricultural
and Tractor Machinery of the USSR
ul. Solnechnogorskaya, 4
Moscow A-413, U.S.S.R.

Dear Dr. Fomin:

Time has really passed so rapidly since our delegation's memorable visit to the Soviet Union in March. I can only reiterate once again my deep appreciation for your most gracious hospitality. I have enclosed a print of a picture which was taken of us together on one of our many fine cultural tours of Moscow.

I am writing you at this time to invite you and your colleagues on the Mobile Sources Pollution Control Working Group to visit the United States this November from the 4th through the 16th. I received your letter in which you suggested a deferral of your return visit from our tentatively arranged September date. I discussed the matter with Dr. Yuri Kasabov during his visit here with Dr. Fomin. He kindly advised that you would like to be received on or about mid October. Unfortunately, due to previous commitments by myself and other U.S. members on the working group, we cannot schedule your visit in this time. Therefore I would like to propose the two week period in November mentioned above. Enclosed is a copy of the tentative itinerary for your visit. I hope it will meet with all of the desires you conveyed to me during my visit there. If there are other specific points of interest you wish to see, I will make every attempt to accommodate you.

As per the provisions of the protocol, I anticipate that your delegation will be composed of up to six members. In this regard I hope you have been successful in establishing interest in other agencies of your government in the transportation planning aspects of the proposed joint work program we drafted and that your delegation will include such experts. Mr. Convisser on the U.S. side, who represents our Department of Transportation, is making arrangements for technical sessions on this subject for your experts.

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We will arrange for the necessary interpreters and handle all costs of your visit from the time you arrive in New York, in accord with the receiving side pays agreement of this working group.

Please let me know at your earliest convenience your reactions to my proposed itinerary along with any additional suggestions. Could you also inform me at this time the tentative composition of your delegation? After I hear from you, I will proceed to firm up the itinerary in more detail as well as develop an agenda for the project meetings shown on the schedule.

I have enclosed a letter and some technical information which was requested of Mr. Stalman by several of your colleagues during our visit there.

I suggest that you transmit your response through the U. S. Embassy in Moscow, which will expedite it more than the regular mails.

It will indeed be my personal pleasure, as well as that of the other members of the working group, to see you again in November.

With kindest personal regards.

Sincerely yours,

/s/ Kay H. Jones

Senior Staff Selectee
Technical Support and Special Projects

Enclosures

cc: Mr. William Salton, SCI/EU
Mr. Raymond Pardon, EUR/SES ✓
Mr. Richard Christiansen, EUR/SOV
Mr. Eric Stork
Mr. John Deltoury
Dr. John Lubitsch
Mr. Martin Conylanor
Mr. Charlton Helmen
Dr. Robert Sansom
Dr. Lee Attaway
Mr. Fitzhugh Green
Dr. Louis Schoen
Dr. Richard Briceland
Dr. Bernard Steigerwald
Mr. Ralph Stalman
Mr. Jack Perry, DDCI
Mr. Paul Loflin, CIO

PRELIMINARY AGENDA

VISIT OF SOVIET WORKING GROUP
ON MOBILE SOURCES POLLUTION CONTROL

NOVEMBER 4-18, 1973

| Date | Activity |
|--|---|
| November 4 | Arrive in New York City and travel to Washington, D. C. |
| November 5 | a. Meeting of Working Group at EPA in joint session b. Cultural activities |
| November 6 (a.m.) | Meeting of Working Group on transportation planning at Department of Transportation |
| November 6 (p.m.) | a. Travel to Detroit/Ann Arbor, Michigan b. Tour of EPA Mobile Sources Pollution Control Laboratory c. Cultural activities |
| November 7, 8 | Technical meetings on sub-tasks of project work Technical meetings on sub-tasks of project work plan to develop final protocol |
| <i>Tour of automobile industry's emissions control labs, advanced engine labs, and vehicle production facilities</i> | |
| November 9 (a.m.) | Travel to Reno, Nevada |
| November 9 (p.m.) | a. Visit to Lear Industries to see steam engine developments b. Cultural activities |
| November 10, 11 | Travel by car to San Angeleno through Yosemite National Park and other points of interest |

| <u>Date</u> | <u>Activity</u> |
|---------------------|--|
| November 12, 13, 14 | <ul style="list-style-type: none">a. Visit to State of California emissions measurement laboratoryb. Review of mobile sources pollution control program for Los Angeles basinc. Visit to aerospace laboratory working on the mobile source pollution control problemd. Cultural activities (Disneyland, etc.) |
| November 15 | Travel to Washington, D. C. |
| November 16 | Visit to Colonial Williamsburg |
| November 17 | <ul style="list-style-type: none">a. Final Working Group meetingb. Cultural activities |
| November 18 | Travel to New York City and Moscow |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

ANN ARBOR, MICHIGAN 48105

June 21, 1973

OFFICE OF
AIR AND WATER PROGRAMS

Emission Control
Technology Division

Mr. A. A. Fomin
Director, Scientific Research &
Control Technology Laboratories
for Toxic Vehicle Emissions

NILTD
Moscow, U.S.S.R.

Dear Mr. Fomin:

I wish to express my sincere thanks for the hospitality which you and your colleagues bestowed on our working group during the two weeks we spent in your country. We all came away with a better understanding and appreciation of your technical and cultural achievements and look forward to continuing progress in our relationship.

One of the agreements made during our visit was the exchange of information on air pollution control. I have enclosed a copy of the paper on a catalytic system which were published in America. It would be appreciated if you could send me more detail on the function and test results for these systems and also your preliminary opinion of the potential of these technologies.

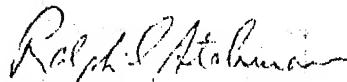
In one discussion Mr. Stepanov spoke of his interest in any information we might be able to provide on use of barium and manganese additives. We are initiating a broad program which will explore the emission characteristics, health effects and catalyst deterioration aspects of these materials but it will be some time before data will be available on these various projects. We will be glad to review the details of our program when you visit us in September. In the meantime I have enclosed a copy of a report from Lubrizol Corporation which presents some of their latest test studies on their barium based diesel additive. There is attached a copy of a truck study that we sponsored where the additive was used for six months in heavy-duty hauling operations. Smoke reduction was quite significant for the full length of the test. Another report, titled "Guide to Reduction of Smoke and Odor for Diesel-Powered Vehicles" discusses use of fuel

additives but expresses our reservations (page 16) on use of metal containing additives because of potential toxicity problems.

We presently have very little information on manganese additives although Ethyl Corporation has been experimenting with them for a number of years. It is understood that manganese foures catalysts into fashion similar to lead.

I hope that you will find this information useful and if you have any further questions on it I will be glad to elaborate. Thanks again for your kind hospitality and I look forward to your forthcoming visit.

Sincerely,



Ralph C. Stahman
Chief, Test and Evaluation Branch
Emission Control Technology Division

Enclosures (5)